



# Replacement Sheet

Fig. 9

(A)

DNA sequence: SEQ ID NO. 11

1 gtggcgagca gaaaaaaatgg cggccgggtt caaaactgtg gaaccgctgg agtattacag  
61 gagatttctg aaagaaaaact gccgtccaga tggaaagagaa ctgggtgaat tcagaaccac  
121 aactgtcaac atagggtcga tcagtacagc ggatggctct gctctagtga agctggggaa  
181 caccacagtgc atttgtggag ttaaagcaga atttgacca ccaccaggtag atgcccctga  
241 tagaggatata gtcgtcccta atgtggaccc accaccgctg tggcatcga gggttccggac  
301 tggacctct ggagaagagg ctcaagtaac cagccagttc attgcagatg tcattgagaa  
361 ctcacacata attaagaaaag aggactttag catttcctca gggaaagcttg cttgggttct  
421 atactgtgac cttatttgcc tagactacga tggaaacatt ttggatgcct gcacatttg  
481 tttgttagca gctttaaaga atgtacagtt gcctgaagtt actataaatg aagaaaactgc  
541 ttttagcgaa gtcattaa agaagaaaag ttatggat gtttagagcaa acccagttgc  
601 tacttcattt gctgttttgc atgacactt gctgatagtc gatccctaccg gggaggaggg  
661 gcaccctgtc cacaggaacc ttaaccgtag taatggacga ggaaggcaag ctgtgctgtc  
721 ttcacaagcc aggtggaggt gggctgtgg agctaaacct cagactgca tgagtgc  
781 agtaacgaga cacaagaag tgacaaact actggatgaa gtaattcaga gcatgaaaca  
841 caaatgaaca gaccccacga ttgtaaaaca gctgtaaaaa ttgtatttgc tacactgtgc  
901 acaggccctt tatactaat aatacctaa ttacattttc tgaaaaaaaaaaaaaaa  
961 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa  
Start codon and stop codon are indicated by bold letters

(B)

Protein sequence: SEQ ID NO. 12

MAAGFKTVEPLEYYRFLKENCRPDGRELGEFRITTVNIGSISTADGSALVKLGNTVICGVKAFAAP  
PVDAPDRGYVVPNVDLPLCSSRFRTPGPGEAQVTSQLFIADVIENSHIIKKEDLCISPGKLAWVLYCDL  
ICLDYDGNILDACTFALLAALKNVQLPEVTINEETALAEVNLLKKSYLNVRANPVATSFAVFDDILLIV  
DPTGEEGHPVHRNLNRNSNGRGRQAVLSSQARWEWAAGAKLQDCMSRAVTRHKEVSKLLDEVIQSM  
KHK

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## Replacement Sheet

Fig. 9 contd.

(c) open reading frame: SEQ ID NO:13

1 gtggcgagcaggaaaa

17 **atggccgcgggttcaaaactgtggAACCGCTGGAGTATTACAGG**  
M A A G F K T V E P L E Y Y R

62 agattctgaaaactgccgtccagatggaaagagaacttggt  
R F L K E N C R P D G R E L G

107 gaattcagaaccacaactgtcaacataggatcgatcagtacagcg  
E F R T T T V N I G S I S T A

152 gatggctctgcttagtgaagctggggAACACCAGTCATTGT  
D G S A L V K L G N T T V I C

197 ggagttaaagcagaattgcagcaccaccaggatgcccctgat  
G V K A E F A A P P V D A P D

242 agaggatatgtcgccctaattgtggacctaccaccgctgtgttca  
R G Y V V P N V D L P P L C S

287 tcgagggttcgactggacccctggagaagaggctcaagtaacc  
S R F R T G P P G E E A Q V T

332 agccagttcattgcagatgtcattgagaactcacacataattaag  
S Q F I A D V I E N S H I I K

377 aaagaggacttatgcatttcctccaggaaagcttgcgggttcta  
K E D L C I S P G K L A W V L

422 tactgtgaccttattgccttagactacgatggaaacattttggat  
Y C D L I C L D Y D G N I L D

467 gcctgcacattgttttagcagcttaagaatgtacagttg  
A C T F A L L A A L K N V Q L

512 cctgaagttactataaatgaagaaaactgccttagcggaaagtcaat  
P E V T I N E E T A L A E V N

557 tttaaagaagaaaagtattgaatgttagagcaaaccaggatgc  
L K K K S Y L N V R A N P V A

602 acttcatttgcgtgtttgatgacactttgcgtatgcgtatcct  
T S F A V F D D T L L I V D P

647 accggggaggaggggcaccctgtccacaggaaccttaaccgtgt  
T G E E G H P V H R N L N R S

692 aatggacgaggaaggcaagctgtgtcttcataagccaggatgg  
N G R G R Q A V L S S Q A R W

737 gagtggctgtggagctaaacttcaggactgcattgcgatgca  
E W A A G A K L Q D C M S R A

782 gtaacgagacacaaagaagtggactactggatgaagtaatt  
V T R H K E V S K L L D E V I

827 cagagcatgaaacacaaat**gaacagacgcacgattgtaaaacag**  
Q S M K H K \*

## **Replacement Sheet**

**Fig. 9(C)contd.**